

AMENDMENTS TO THE SPECIFICATION:

Add a paragraph at page 1 after the title and insert the following section headings and subheadings as follows:

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a national phase application based on PCT/EP99/00862, filed February 10, 1999, the content of which is incorporated herein by reference, and claims the priority of German Application No. 298 02 270.2, filed February 10, 1998.

Page 1, before line 1, insert the following section headings:

BACKGROUND

Technical Field

Page 1, before the paragraph that begins with "In the "Funkschau" journal", add the following section heading:

Description of Related Art

Page 1, before the paragraph that begins with "The present invention provides", add the following section heading

BRIEF SUMMARY

Page 6, amend the paragraph that begins with "Other advantageous further developments" as follows:

Other advantageous further developments of the multimedia system in accordance with embodiments consistent with the invention will be apparent from ~~dependent claims 2-36~~ the following:

Page 6, insert the following paragraphs after the paragraph that begins with "Other advantageous further developments:

In certain embodiments a multimedia system may be characterized in that the communication module 20, 81, and 83 includes a modem and a wireless transceiver interface. In certain embodiments a multimedia system may be characterized in that the communication module 20, 81, and 83 is coupled with the portable operating device 40 via a wireless connection. In certain embodiments a multimedia system may be characterized in that an access control function is integrated in the communication module 20, 81, and 83. In certain embodiments a multimedia system may be characterized in that an access control function is integrated in the portable operating device 40. In certain embodiments a multimedia system may be characterized in that the access control function is implemented by means of an exchangeable chip card 47.

In certain embodiments a multimedia system may be characterized in that the portable operating device 40 generates control information and outputs it in the form of a control signal, the control information selecting information from display information displayed on the display device. In certain embodiments a multimedia system may be characterized in that the access control function of the portable operating device 40 controls the generation of the control information and/or the output of the control signal to the base station. In certain embodiments a multimedia system may be characterized

in that the control signals output by the portable operating device 40 are infrared signals 41. In certain embodiments a multimedia system may be characterized in that the portable operating device 40 has an input unit for generating pointer position information and release information as control information, the position of a pointer 56 being able to be set on a screen 52 of the display device by means of the pointer position information in order to position the pointer 56 on a specific display information on the display device, and the position of the pointer 56 being confirmed by means of the release information. In certain embodiments a multimedia system may be characterized in that the access control function of the portable operating device 40 controls the generation of the pointer position information and/or the release information. In certain embodiments a multimedia system may be characterized in that the input unit of the portable operating device 40 has a track ball device 48 for generating the pointer position information. In certain embodiments a multimedia system may be characterized in that the input unit of the portable operating device has a release key 45 for generating the release information. In certain embodiments a multimedia system may be characterized in that the input unit of the portable operating device 40 has a cursor key block 44 for generating the pointer position information.

In certain embodiments a multimedia system may be characterized in that payment and/or order authorization functions are implemented on the portable operating device 40. In certain embodiments a multimedia system may be characterized in that the payment and/or order authorization functions of the portable operating device 40 are implemented by means of an exchangeable chip card 47. In certain embodiments a multimedia system may be characterized in that the portable operating device 40 has an

encrypting means for encoding the control information. In certain embodiments a multimedia system may be characterized in that the encoding means is integrated on an exchangeable chip card 47. In certain embodiments a multimedia system may be characterized in that the communication module 20 has a decrypting means for decoding the encoded control information received from the portable operating device 40.

In certain embodiments a multimedia system may be characterized in that the interchangeable access control modules of the base station are CAS modules. In certain embodiments a multimedia system may be characterized in that the CAS modules are plug-in type PC cards. In certain embodiments a multimedia system may be characterized in that the CAS modules and the open interface of the base station are configured in accordance with a PC standard, in particular in accordance with the DVB CI standard. In certain embodiments a multimedia system may be characterized in that the PC card is designed to accommodate a chip card, in particular a smart card 70, and that the PC card includes a chip card reader.

In certain embodiments a multimedia system may be characterized in that the communication module 20 comprises an Internet computer. In certain embodiments a multimedia system may be characterized in that the portable operating device 40 generates user-defined signals for controlling the Internet computer. In certain embodiments a multimedia system may be characterized in that the display device represents Internet pages under the control of the Internet computer. In certain embodiments a multimedia system may be characterized in that upon an appropriate

command from the portable operating device 40 the Internet computer establishes via a modem a communication link with the Internet or World Wide Web.

In certain embodiments a multimedia system may be characterized in that the communication module 20 and/or the portable operating device has a user identification unit, in particular a SIM or SAM module.

In certain embodiments a multimedia system may be characterized in that the communication module 20 and 81 is provided with a radio receiver/transmitter unit operating in accordance with a wireless transmission process, in particular the DECT process or the GSM process.

In certain embodiments a multimedia system may be characterized in that the communication module 20 has an infrared transceiver unit 22.

In certain embodiments a multimedia system may be characterized in that the communication module is configured in the form of a plug-in type PC card.

In certain embodiments a multimedia system may be characterized in that the communication module 20, 81, and 83 and the open interface of the base station are configured in accordance with a PC standard, in particular in accordance with the DVB CI standard. In certain embodiments a multimedia system may be characterized in that the PC card is configured to accommodate a chip card 47 and 86, in particular a smart card 70, and that the PC card includes a chip card reader.

In certain embodiments a multimedia system may be characterized in that the base station is a set top box 10 which is connected with a television set 50 as display device. In certain embodiments a multimedia system may be characterized in that the base station or set top box 10 is integrated in the television set 50.

Please amend the paragraph on page 6 that begins with "According to claim 37" as follows:

~~According to claim 37~~ In another embodiment consistent with the invention the portable operating device, more particularly a remote control device, of the invention, for the generation and transmission of control information for the control of a communication module and/or of a display device, in particular a television set having a set top box, comprises an input unit for inputting information, a processing unit, in particular a microprocessor, for processing the information and for generating the control information, a transceiver unit which converts the control information into control signals and transmits the same to the communication module and/or to the display device, and an interchangeable access control module which controls the generation of the control information and/or the transmission of the control signals.

Please amend the paragraph on page 7 that begins with "Advantageous further developments of the portable operating device" as follows:

Advantageous further developments of the portable operating device in accordance with an embodiment consistent with the invention will be apparent from ~~dependent claims 38 to 47~~ the following paragraphs:

Please add the following paragraphs after the paragraph on page 7 that begins with "Advantageous further developments":

In certain embodiments a portable operating device may be characterized in that it has a chip card reader and that the access control module is a plug-in type chip card 47. In certain embodiments a portable operating device may be characterized in that the transceiver unit is an infrared transceiver unit which generates infrared signals 41 as control signals.

In certain embodiments a portable operating device may be characterized in that the input unit has a means, in particular a track ball 48, for generating pointer position information and a means, in particular a release key 45, for generating release information as control information, the position of a pointer 56 being able to be set on a screen 52 of the display device in dependence on the pointer position information in order to position the pointer 56 on a specific display information, and the position of the pointer 56 being confirmed in the nature of a mouse click in dependence on the release information.

In certain embodiments a portable operating device may be characterized in that the access control module controls the generation of the pointer position information and/or the release information. In certain embodiments a portable operating device may be characterized in that the access control module enables the transmission of the pointer position information and/or the release information as control signals. In certain embodiments a portable operating device may be characterized in that payment and/or order authorization information is stored on the access control module. In certain embodiments a portable operating device may be characterized in that an encoding means is provided for encoding the control information.

In certain embodiments a portable operating device may be characterized by an interface device for a user identification unit, in particular a SIM or SAM module. In certain embodiments a portable operating device may be characterized in that a switchover key 46 is provided with which the control of a television function or an Internet function may be selected. In certain embodiments a portable operating device may be characterized in that a fingerprint sensor is arranged at the surface of the operating device.

Please amend the paragraph on page 7 that begins with "According to claim 48" as follows:

~~According to claim 48~~ In another embodiment consistent with the invention the communication module ~~of the invention~~ for a set top box has a transceiver unit for, e.g., wireless communication with a radio communications network, a superordinate computer, or a telephone network or the like, for instance, and a unit for coupling the communication module with an operating device assigned to it.

Please amend the paragraph on page 7 that begins with "Advantageous further developments of the communication module" as follows:

Advantageous further developments of the communication module in accordance with an embodiment consistent with the invention will be apparent from ~~dependent~~ claims 49 to 61 the paragraphs that follow:

Please add the following paragraphs before the paragraph on page 7 that begins with "Further advantages, advantageous further developments":

In certain embodiments a communication module may be characterized by an Internet computer. In certain embodiments a communication module may be characterized by an interface for a user identification unit, in particular a SIM or SAM module 30. In certain embodiments a communication module may be characterized in that the transceiver unit is a radio receiver/transmitter unit which operates in accordance with a wireless transmission process, in particular the DECT process or the GSM process.

In certain embodiments a communication module may be characterized by a modem, in particular a data radio modem 24. In certain embodiments a communication module may be characterized in that the modem is an ISDN modem. In certain embodiments a communication module may be characterized by a telephone plug connector 84. In certain embodiments a communication module may be characterized in that the unit for coupling with the portable operating device 40 is an infrared transceiver unit.

In certain embodiments a communication module may be characterized in that it is configured in the form of a PC card. In certain embodiments a communication module may be characterized in that the PC card is configured in accordance with the DVB CI standard. In certain embodiments a communication module may be characterized in that the PC card has an interface 26 for a chip card. In certain embodiments a communication module may be characterized in that the PC card has an interface device for a plurality of chip cards.

In certain embodiments a communication module may be characterized by a converter 23 which converts computer image data into television picture data.

In certain embodiments a communication module may be characterized in that a decompressor 21 is provided which decompresses the data received by the transceiver unit.

Page 7, before the paragraph that begins with "Figure 1 shows an embodiment", add the following section heading

BRIEF DESCRIPTION OF THE DRAWINGS

Page 8, before the paragraph that begins with "In Figure 1 there is shown an embodiment of the multimedia system", add the following section heading:

DETAILED DESCRIPTION